

### ABSTRACT

A hydraulic system and method for supporting a body organ, the system comprising a closed loop liquid-tight tubing fitted with a pressure generator for propelling a liquid through the system, an organ engaging member connected to a  
5 pressure chamber via a discharge valve for controlled discharge of liquid into the organ inflatable pressure member. The organ engaging member comprises an inflatable pressure member suited for receiving the organ. There is further provided at least one control valve for selectively controlling liquid flow through the system and a controller for selectively controlling the discharge valve and the at least one  
10 control valve.